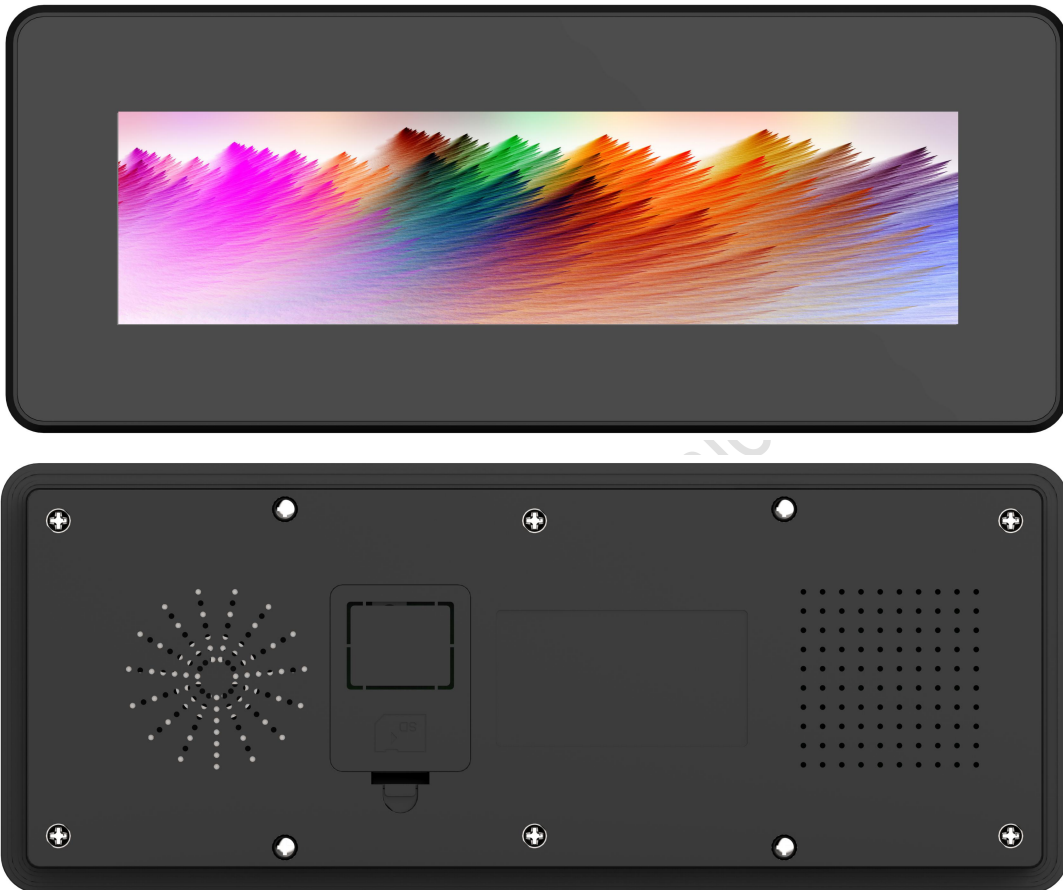


# HDW088\_A5001L

**8.88 Inch, 1920xRGBx480, 16.7M Colors, IPS screen**

**CTP, With shell, HDMI interface display**



## Record of Revision

| Ver | Revise Date | Content                | Editor |
|-----|-------------|------------------------|--------|
| 00  | 2022-12-09  | First Edition          | Kaya   |
| 01  | 2023-08-10  | Update drawing AA area | Kaya   |

## ● Display

| Item               | Parameter                 | Description   |
|--------------------|---------------------------|---|
| Color              | 16.7M(16777216)colors     | 24 bit color 8R8G8B   |
| Panel Type         | IPS                       | IPS TFT LCM ,wide viewing angle   |
| Viewing Angle      | 85/85/85/85 (L/R/U/D)     | Best View: symmetrical  |
| Active Area (A.A.) | 218.88mm (W) ×54.72mm (H) | 1920×480  |
| View Area (V.A.)   | 219.68mm (W) ×55.52mm (H) | 1920×480  |
| Resolution         | 1920×480                  | Support 0°/90°/180°/270°rotated display   |
| Backlight          | LED                       | ≥20000H<br>(Continuous working with maximum brightness, time of the brightness decays to 50%) |
| Brightness         | 250nit                    | -   |

Note:You can use dynamic screen saver wallpapers to avoid afterimages caused by fixed page display for a long time.

## ● Voltage & Current

| Item               | Description                 |                                   |
|--------------------|-----------------------------|-----------------------------------|
| Power Voltage      | 6~36V, typical value of 12V |                                   |
| Current parameters | 710mA                       | VCC=6V (Minimum starting voltage) |
|                    | 340mA                       | VCC=12V (Standard supply voltage) |
|                    | 120mA                       | VCC=36V (Maximum supply voltage)  |

Recommended power supply: 12V 1A DC

## ● Reliability Test

| Item                | Conditions           | Min | Typ | Max | Unit |
|---------------------|----------------------|-----|-----|-----|------|
| Working Temperature | 60%RH at 12V voltage | -20 | 25  | 70  | ℃    |
| Storage Temperature | -                    | -30 | 25  | 80  | ℃    |
| Working Humidity    | 25℃                  | 10% | 60% | 90% | RH   |
| Protective Level    | IP65(Front)          |     |     |     |      |

## ● Interface

| Item          | Description   |
|---------------|---|
| Socket        | 6~36V Power interface, HDMI interface,USB interface |
| USB Interface | Yes (Connect USB capacitive touch screen)           |
| SD Card Slot  | None  |

- **Peripheral**

|                   |                        |
|-------------------|------------------------|
| <b>Peripheral</b> | Capacitive touch panel |
|-------------------|------------------------|

- **Packing Capacity & Dimension**

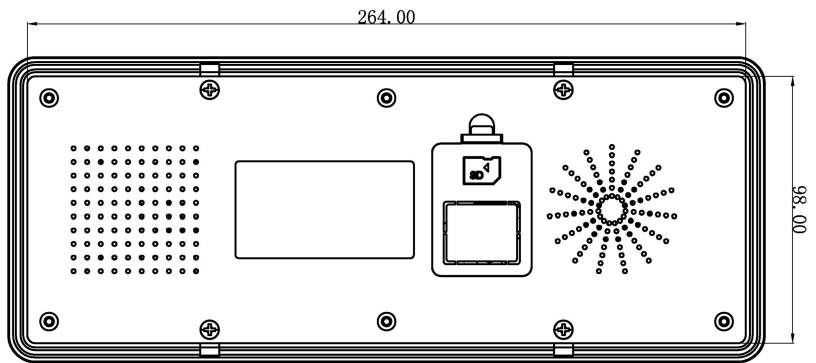
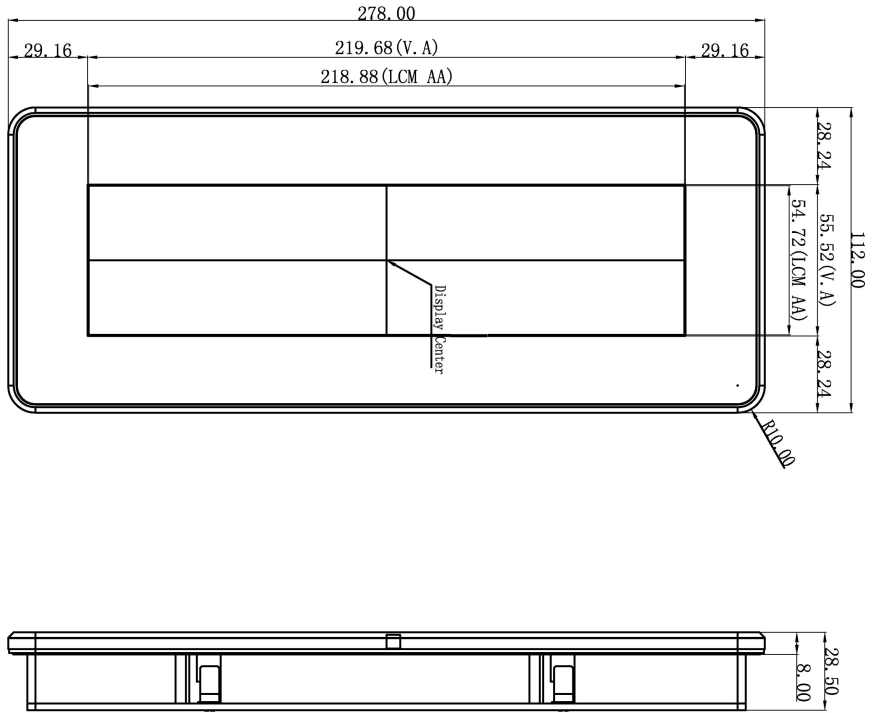
| Dimension         |                             |
|-------------------|-----------------------------|
| <b>Dimension</b>  | 278.0(W)x112.0(H)x28.5(T)mm |
| <b>Net Weight</b> | -                           |

Disclaimer: The product design is subject to alternation and improvement without prior notice.

Please contact us if you have any questions about the use of this document or our products, or if you would like to know the latest information about our products:

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- DWIN Developer Forum: <https://forums.dwin-global.com/>

Thank you all for continuous support of DWIN, and your approval is the driving force of our progress!



| HDMI Pin Name | HDMI Description | HDMI Pin Name | HDMI Description  |
|---------------|------------------|---------------|---|
| Pin1          | TMS Data2+       | Pin11         | TMS Clock Shield  |
| Pin2          | TMS Data2 Shield | Pin12         | TMS Clock-  |
| Pin3          | TMS Data2-       | Pin13         | CEC   |
| Pin4          | TMS Data1+       | Pin14         | HEC Data- (Optional, HDMI 1.4 with Ethernet)                                    |
| Pin5          | TMS Data1 Shield | Pin15         | SCL (I2C Serial Clock for DDC)  |
| Pin6          | TMS Data1-       | Pin16         | SMA (I2C Serial Data line for DDC)  |
| Pin7          | TMS Data0+       | Pin17         | DDC/CEC/HEC Ground  |
| Pin8          | TMS Data0 Shield | Pin18         | +5V Power (max 50mA)  |
| Pin9          | TMS Data0-       | Pin19         | Hot Plug Detect (All versions) and HEC Data+ (Optional, HDMI 1.4 with Ethernet) |
| Pin10         | TMS Clock+       |               |   |

1. Location hole is used as position reference.
  2. Unmarked Tolerance is +/-0.3mm
- Active area is marked in Dash lines

|                 |               |          |      |      |            |
|-----------------|---------------|----------|------|------|------------|
| Model           | HDW088-A5001L |          |      |      |            |
| Drawing         | A 4           | Drawn    | G. Y | Date | 2023.08.08 |
| Scale           | 1:1           | Review   |      | Date |            |
| Unit            | MM            | Approval |      | Date |            |
| DWIN Technology |               |          |      |      |            |